

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009789

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06T7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06T G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/016883 A1 (BARON JOHN M) 23 January 2003 (2003-01-23) figures 1,2 alinéa '0002! et '0005!	1, 2, 4-7
Y	page 1 alinéa '0012! page 2 ----- -/--	3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

25 April 2005

Date of mailing of the international search report

03/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Ellerbrock, T

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009789

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FARROW G S D ET AL: "Detecting the skew angle in document images" SIGNAL PROCESSING: IMAGE COMMUNICATION, MAY 1994, NETHERLANDS, vol. 6, no. 2, 1994, pages 101-114, XP000450543 ISSN: 0923-5965 figures 1,3 page 102, left-hand column, paragraph 2 alinéa << Using Hough transformation for skew angle determination >> page 102 - page 103 -----	1,4-7
X	US 6 263 097 B1 (DEWAELE PIET) 17 July 2001 (2001-07-17) figures 1-4 column 1, line 9 - line 12 column 2, line 28 - line 33 column 6, line 45 - line 49 column 7, line 39 - line 53 -----	1,4,6,7
Y	EP 0 400 881 A (AMERICAN TELEPHONE & TELEGRAPH) 5 December 1990 (1990-12-05) page 2, line 53 - page 3, line 5 page 4, line 42 - line 49 page 6, line 46 - line 51 -----	3
A	US 5 664 027 A (ITTNER DAVID JACK) 2 September 1997 (1997-09-02) column 1, line 8 - line 12 column 1, line 65 - column 2, line 10 column 4, line 49 - line 65 -----	1
A	PETER HABERÄCKER: "Digitale Bildverarbeitung - Grundlagen und Anwendungen" 1985, CARL HANSER VERLAG MÜNCHEN WIEN , XP002279457 paragraphe << 16.2 Parallele Kantenextraktion >> page 314 - page 315; figure 67 -----	2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009789

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003016883	A1	23-01-2003	NONE
US 6263097	B1	17-07-2001	EP 0889438 A2 07-01-1999 JP 11039497 A 12-02-1999
EP 0400881	A	05-12-1990	US 5060276 A 22-10-1991 CA 2013378 A1 30-11-1990 DE 69029427 D1 30-01-1997 DE 69029427 T2 03-04-1997 EP 0400881 A2 05-12-1990 ES 2095237 T3 16-02-1997 HK 45997 A 18-04-1997 JP 1996952 C 08-12-1995 JP 3021811 A 30-01-1991 JP 7026836 B 29-03-1995 KR 9303403 B1 26-04-1993
US 5664027	A	02-09-1997	CA 2116600 A1 11-10-1994 EP 0621553 A2 26-10-1994 JP 7098765 A 11-04-1995